

Amy G. Rabinowitz *Counsel*

October 28, 2003

Mary L. Cottrell, Secretary Department of Telecommunications and Energy One South Station Boston, MA 02110

Re: D.T.E. 03-20

Dear Secretary Cottrell:

On behalf of Massachusetts Electric Company ("Mass. Electric") and Nantucket Electric Company ("Nantucket Electric") (Mass. Electric and Nantucket Electric are collectively referred to as "Companies"), I am responding to the Department's September 30, 2003 letter order in the above-captioned docket. In that letter order, the Department directed the Companies to submit a proposal for crediting the 2002 service quality penalty that addresses the goals of concentrating the credit to customers who actually experienced substandard System Average Interruption Duration Index ("SAIDI") or System Average Interruption Frequency Index ("SAIFI") performance and compensating customers who experience substandard service quality. (p. 3)

The Companies have considered different approaches to meet the Department's order to concentrate the credit to customers who actually experienced substandard service quality. The reliability indices in the Companies' service quality plans ("SQ Plans"), approved by the Department in D.T.E. 01-71B, are based on system averages. Therefore, the Companies track customer reliability at the system, and not individual customer level. Because individual customer reliability data are unavailable, it is not possible to allocate the system average information back to individual customers accurately. In addition, many customers are served from more than one distribution feeder during the course of a year. The Companies shift customers between feeders to allocate load between feeders more effectively and to maintain reliable service while the Companies address maintenance or upgrade issues on the feeders. Distribution feeders do not stop at town boundaries and often serve more than one town. These two issues, both separately and combined, introduce error into any effort to allocate the reliability credit based on feeders or municipal boundaries.

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In Mass. Electric's service territory, feeders, or groups of feeders, serve six definable geographical areas (each referred to as a "District"). These Districts, and the municipalities they encompass, are set forth in Attachment 1, Page 4. Feeders generally do not cross District boundaries, and therefore, do not serve more than one District. Although Mass. Electric may reconfigure a feeder such that it serves different customers at different times, this happens within a District. On the island of Nantucket, Nantucket Electric's infrastructure serves customers on the island only. Thus, the specific District, or the island in the case of Nantucket Electric, determines customers' reliability. In determining the service quality refund to customers, the Companies believe that it is appropriate to utilize the 2002 SAIDI and SAIFI that the Districts and the island of Nantucket experienced compared to the penalty thresholds established from the historic system-wide averages.

Accordingly, Mass. Electric proposes to refund the net service quality penalty in a manner that provides an enhanced per customer credit to customers in those Districts which experienced more customer interruptions (SAIFI) than the penalty threshold and an enhanced per kilowatthour ("kWh") credit to customers in those Districts which experienced a longer duration for customer interruptions (SAIDI) than the penalty threshold. Mass. Electric proposes a base, fixed per customer credit for SAIFI as an acknowledgement that all customer interruptions contribute to the overall system SAIFI, including those affecting customers in a District with fewer customer interruptions than the penalty threshold. Mass. Electric proposes a base per kWh credit for SAIDI as an acknowledgement that all customer minutes of interruption contribute to the system SAIDI, including those from customers in a District with fewer customer minutes of interruption than the penalty threshold. To accomplish this, Mass. Electric has developed credits individually for SAIFI and SAIDI. For each reliability measure, Mass. Electric has divided the net penalty into two parts, and proposes to refund the net penalty amounts to customers as follows: two-thirds to customers in the Districts with substandard SAIDI or SAIFI and one-third to all customers of Mass. Electric. Mass. Electric suggests that this proposed allocation provides an appropriate balance between per customer and per kWh credit allocation. The allocation of the net SAIDI and net SAIFI penalty results in the following credits:

	<u>SAIDI</u>	<u>SAIFI</u>
Substandard Performance Credit	0.097¢/kWh	\$2.07/customer
Credit to all Customers	0.041¢/kWh	\$0.65/customer

Under this proposal, the Southeast, Central, Western, Merrimack Valley, and the North Shore Districts will receive the substandard performance credit for SAIDI, and the Southeast, Central, Western, and Merrimack Valley Districts will receive the substandard performance credit for SAIFI. Nantucket Electric, which incurred a SAIDI penalty only, proposes to refund the net service quality penalty at the rate of $0.058 \, \phi$ per kWh, as shown on Attachment 2. The Companies believe that this proposal meets the Department's objectives for refunding the SQ penalty to customers.

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The Companies propose that these service quality credits be applied to customer bills during the billing month of December 2003 for all bills and kWhs billed during this billing month. Attachment 3 shows the impact this credit proposal would have on a typical 500 kWh residential customer's bill. Page 1 of Attachment 3 shows this impact for Mass. Electric and Page 2 shows it for Nantucket Electric. The credits to a Mass. Electric 500 kWh residential customer range from \$0.86 to \$3.41, or a decrease of 1.5% to 5.9%, respectively. The impact to a Nantucket Electric 500 kWh residential winter bill is a decrease \$0.29, or 0.4%.

Commitment to Reliable Service

The Companies are committed to providing reliable service to our customers, and are implementing a very robust reliability improvement program. We have put in service four new substations and fifteen new feeders during this calendar year. We have also significantly increased our tree trimming program, addressed 1,200 overloaded transformers, and implemented a lightning protection pilot program this year. Based on performance through September 2003, we are currently on target to meet our service quality standards for duration and frequency of outages, and do not project payment of a penalty for 2003. These results are highly dynamic, however, and the Companies are carefully tracking them on an ongoing basis. In addition, we are currently meeting or exceeding all other service quality standards for 2003.

It is also worth noting that although the Companies' SQ Plans compare past reliability to present, they do not allow the Companies' poor performance in 2002 to affect the penalty thresholds by which the Companies are judged in future years. In addition, the SQ Plans could subject the Companies to a double penalty for sustained poor performance.

We appreciate your time and attention to this matter. If you have any questions on this filing, please contact me.

Very truly yours,

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Amy G. Rabinowitz

Joseph Rogers, Office of the Attorney General cc:

MASSACHUSETTS ELECTRIC COMPANY NANTUCKET ELECTRIC COMPANY D.T.E. 03-20

Attachment 1

Calculation of Massachusetts Electric Company's Proposed Service Quality Credits

28-Oct-03

Massachusetts Electric Company Nantucket Electric Company D.T.E. 03-20 Attachment 1 Page 1 of 4

Massachusetts Electric Company Summary of Proposed Service Quality Credit Net Service Quality Penalty for Calendar Year 2002

Section 1: SAIFI Credit Per Customer

	All	District	
	District	Specific	Total
	SAIFI	SAIFI	SAIFI
District	Credit	Credit	Credit
	(1)	(2)	(3)
North Shore	\$0.65	n/a	\$0.65
Merrimack Valley	\$0.65	\$2.07	\$2.72
Southeast	\$0.65	\$2.07	\$2.72
South Shore	\$0.65	n/a	\$0.65
Central	\$0.65	\$2.07	\$2.72
Western	\$0.65	\$2.07	\$2.72

- (1) Page 2, Section 3, Line (3) for all districts
- Page 2, Section 4, Line (3) for districts identified on Page 2, Section 2, Column (f) as having substandard SAIFI performance (2)
- (3) Column (1) + Column (2)

Section 2: SAIDI Credit per kWh

	All District SAIDI <u>Credit</u> (1)	District Specific SAIDI Credit (2)	Total SAIDI <u>Credit</u> (3)
North Shore	\$0.00041	\$0.00097	\$0.00138
Merrimack Valley	\$0.00041	\$0.00097	\$0.00138
Southeast	\$0.00041	\$0.00097	\$0.00138
South Shore	\$0.00041	n/a	\$0.00041
Central	\$0.00041	\$0.00097	\$0.00138
Western	\$0.00041	\$0.00097	\$0.00138

- (1) Page 3, Section 3, Line (3) for all districts
- (2) Page 3, Section 4, Line (3) for districts identified on Page 2, Section 2, Column (e) as having substandard SAIDI performance
- (3) Column (1) + Column (2)

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Massachusetts Electric Company Nantucket Electric Company D.T.E. 03-20 Attachment 1 Page 2 of 4

Massachusetts Electric Company Calculation of Proposed SAIFI Credit Net Service Quality Penalty for Calendar Year 2002

					Allocation to
Section	1: Penalty Metric for 2002			Allocation to	Substandard
			Total	All Customers	Districts
			(a)	(b)	(c)
(1)	2002 Deadband (Minimum Penalty begins after deadband):	1.304			
(2)	2002 Net Penalty Associated with SAIFI		\$2,444,182		
(3)	2000/2001 Balance Remaining of Net Penalty Credited to Customers, Allocated to SAIFI		(\$40,164)		
(4)	Total Amount to be Credited to Customers, Allocated to SAIFI		\$2,404,018	\$801,339	\$1,602,678

- (1) March 3, 2003 2002 Service Quality Report , Section 2, Page 1 of 9, Deadband Range for SAIFI
- (2) September 4, 2003 Service Quality Credit Filing, Attachment 1, Second Revision, Page 1, Line (2) @ 50%
- (3) Line (1) + Line (2)
- (b) Total of Column (a) x 1/3
- (c) Column (a) Column (b)

Section 2: District Results for 2002

Count	District Code	<u>District</u>	Average No. of <u>Customers</u> (a)	Customers Interrupted (b)	SAIFI (c)	December 2002 <u>kWh Deliveries</u> (d)	Average No. of Customers Above Deadband (e)
1		1 North Shore	230,066	269,060	1.17	288,948,278	0
2		2 Merrimack Valley	233,309	527,301	2.26	415,673,105	233,309
3		3 Southeast	203,716	340,066	1.67	378,557,695	203,716
4		4 South Shore	214,729	193,327	0.90	301,860,117	0
5		5 Central	219,182	426,315	1.95	388,476,900	219,182
6		6 Western	114,326	237,886	2.08	172,494,310	114,326
			1,215,328			1,946,010,405	770,533

- (a) Represents 12 month average number of customers per Company billing system for calendar year 2002
- (b) Per outage reporting system, for calendar year 2002
- (c) $Column(b) \div Column(a)$
- (d) Per Company billing system
- (e) Column (a) for those Districts having a SAIFI exceeding Section 1, Line (1)

Section 3: SAIFI Credit Applicable to All Districts

(1)	Net Penalty Attributable to SAIFI Allocated to All Districts	\$801,339
(2)	Average Number of Customers for All Districts	1,215,328
(3)	Net Penalty Attributable to SAIFI per Customer for All Districts	\$0.65
(1) (2) (3)	Section 1, Column (b) Section 2, Column (a) Line (1) ÷ Line (2), truncated after 2 decimal places	

Section 4: SAIFI Credit Applicable to Districts with SAIFI Exceeding Deadband

(1)	Net Penalty Attributable to SAIFI Allocated to Districts with SAIFI Exceeding Deadband	\$1,602,678
(2)	Average Number of Customers for Districts with SAIFI Exceeding Deadband	<u>770,533</u>
(3)	Net Penalty Attributable to SAIFI per Customer for Districts with SAIFI Exceeding Deadband	\$2.07

- (1) Section 1, Column (c)
- (2) Section 2, Column (f)
- (3) Line (1) ÷ Line (2), truncated after 2 decimal places

Massachusetts Electric Company Nantucket Electric Company D.T.E. 03-20 Attachment 1 Page 3 of 4

Massachusetts Electric Company Calculation of Proposed SAIDI Credit Net Service Quality Penalty for Calendar Year 2002

Section 1: Penalty Metric for 2002							<u>Total</u> (a)	Allocation to All Customers (b)	Allocation to Substandard <u>Districts</u> (c)
(1)	2002 Deadband	(Minimum Pena	lty begins after d	eadband):		105.5	2		
(2)		ty Associated wit					\$2,444,182		
(3)		nce Remaining o			iers, Allocated	to SAIDI	<u>(\$40,164)</u>	#001 220	#1 CO2 CT0
(4)	1 otal Amount t	o be Credited to C	ustomers, Alloc	ated to SAIDI			\$2,404,018	\$801,339	\$1,602,678
(1) (2) (3) (b) (c)	 (2) September 4, 2003 Service Quality Credit Filing, Attachment 1, Second Revision, Page 1, Line (2) @ 50% (3) Line (1) + Line (2) (b) Total of Column (a) x 1/3 								
Section 2	: District Result	ts for 2002							
<u>Count</u>	District <u>Code</u>	<u>District</u>	Average No. of <u>Customers</u> (a)	Customer Minutes <u>Interrupted</u> (b)	SAIDI (c)	December 2002 kWh Deliveries (d)			

125.35

221.33

145.99

64.97

337.82

217.09

288,948,278

415,673,105

378,557,695

301,860,117

388,476,900

172,494,310

1,946,010,405

288,948,278

415,673,105

378,557,695

388,476,900

172,494,310

1,644,150,288

(a) Represents 12 month average number of customers per Company billing system

230,066

233,309

203,716

214,729

219,182

114,326

1,215,328

28,839,818

51,638,955

29,741,193

13,950,531

74,044,048

24,818,779

- (b) Per outage reporting system
- (c) Column (b) ÷ Column (a)

2

3

4

5

- (d) Per Company billing system
- (e) Column (d) for those Districts having a SAIDI exceeding Section 1, Line (1)

Section 3: SAIDI Credit Applicable to All Districts

1 North Shore

3 Southeast

5 Central

6 Western

4 South Shore

2 Merrimack Valley

(1) Net Penalty Attributable to SAIDI Allocated to All Districts \$801,339

(2) December 2002 kWh Deliveries for All Districts 1,946,010,405

(3) Net Penalty Attributable to SAIDI per kWh for All Districts \$0.00041

- (1) Section 1, Column (b)
- (2) Section 2, Column (d)
- (3) Line (1) ÷ Line (2), truncated after 5 decimal places

Section 4: SAIDI Credit Applicable to Districts with SAIDI Exceeding Deadband

(1) Net Penalty Attributable to SAIDI Allocated to Districts with SAIDI Exceeding Deadband \$1,602,678

(2) December 2002 kWh Deliveries for Districts with SAIDI Exceeding Deadband <u>1,644,150,288</u>

(3) Net Penalty Attributable to SAIDI per kWh for Districts with SAIDI Exceeding Deadband \$0.00097

- (1) Section 1, Column (c)
- (2) Section 2, Column (e)
- (3) Line (1) ÷ Line (2), truncated after 5 decimal places

Massachusetts Electric Company Nantucket Electric Company D.T.E. 03-20 Attachment 1 Page 4 of 4

Massachusetts Electric Company kWhs and Customers By District

District	Town		December 2002	Average No. of
Code	Code	Town	kWh Deliveries	Customers
North Shor	<u>e</u>			
1	11	MEDFORD	30,002,072	23,269
1	12	MALDEN MELROSE	26,626,242 11,047,180	25,019 11,492
1	14	EVERETT	23,852,792	17,703
1	18 19	REVERE WINTHROP	21,469,500 6,963,038	20,021 8,037
1	31	LYNN	39,977,542	36,667
1	32 35	SAUGUS NAHANT	19,473,487 1,611,801	11,138 1,702
1	36	SWAMPSCOTT	7,575,050	5,935
1 1	71 81	SALEM BEVERLY	28,982,505 29,805,499	19,530 17,982
1	83 84	HAMILTON WENHAM	3,588,642	
1	85	TOPSFIELD	2,386,298 2,813,543	1,457 2,437
1 1	87 91	MANCHESTER GLOUCESTER	3,090,649 23,099,838	2,615 15,358
1	92	ROCKPORT	4,486,383	4,910
1	93	ESSEX	2,096,217	1,929
			288,948,278	230,067
Merrimack	Valley			
2	21	LOWELL	63,880,569	41,005
2	22 23	DRACUT	11,472,583	11,952
2 2	24	CHELMSFORD TEWKSBURY	28,877,440 21,914,732	14,893 11,571
2 2	25	BILLERICA WESTFORD	42,960,075	14,995
2	26 27	TYNGSBORO	20,832,055 7,644,185	8,387 4,575
2 2	41 42	LAWRENCE	42,250,919	
2	42	METHUEN ANDOVER	26,012,729 48,964,589	
2	44	N ANDOVER	24,550,811	11,082
2 2	45 61	BOXFORD HAVERHILL	4,111,255 37,202,804	
2	62	NEWBURYPORT	14,963,561	9,607
2 2	63 64	NEWBURY W NEWBURY	4,289,863 2,324,635	3,172 1,611
2 2	65 66	AMESBURY SALISBURY	8,590,354 4,829,946	7,215 4,657
-	00	S. ILISDORT	415,673,105	233,308
Southeast				
3	131 132	FRANKLIN FOXBORO	34,016,484 13,682,768	11,698 7,235
3	133	PLAINVILLE	5,400,551	3,844
3	134 135	WRENTHAM BELLINGHAM	8,792,239 5,414,093	4,438 4,697
3	140	UXBRIDGE	6,672,432	5,298
3	141 142	NORTHBRIDGE BLACKSTONE	8,491,868 3,448,010	6,314 3,626
3	143 144	DOUGLAS MILLVILLE	3,982,517 1,179,469	3,496
3	146	MENDON	3,138,459	1,170 2,249
3	151 152	HOPEDALE MILFORD	3,341,859 27,763,400	
3	153	UPTON	3,521,241	2,695
3	181 184	MARLBORO NORTHBOROUGH	48,407,410 10,321,844	17,348 5,735
3	185	SOUTHBOROUGH	12,286,979	3,748
3	186 262	WESTBOROUGH FALL RIVER	32,775,525 60,410,463	7,514 43,141
3	263	WESTPORT	3,637,034	2,679
3	268 269	SOMERSET SWANSEA	8,558,206 8,369,399	7,661 6,911
3	271	ATTLEBORO	35,671,813	18,785
3	272 273	NORTON REHOBOTH	10,416,637 5,005,556	6,804 4,318
3	274 275	SEEKONK DIGHTON	10,989,901 2,861,538	6,007 2,153
			378,557,695	203,719
South Shor	e			
4	121	WEYMOUTH	33,012,490	23,861
4	122	HINGHAM	537,317	78
4	123 124	RANDOLPH HOLBROOK	15,168,248 5.894.038	12,473 4,595
4	125	COHASSET	4,290,014	3,394
4	129 136	QUINCY STOUGHTON	59,445,290 16,305,864	41,547 11,617
4	137	SHARON	82,666	62
4	138 251	AVON HANSON	6,271,510 4,577,419	2,122 3,819
4	254	HALIFAX	3,156,893	3,167
4	256 258	PEMBROKE NORWELL	9,337,124 8,682,903	6,911 4,169
4	259	SCITUATE	7,837,480	7,744
4	280 281	WHITMAN BROCKTON	6,489,024 50,840,558	5,765 38,645
4	282	ABINGTON	7,485,067	6,178
4 4	284 285	EASTON W BRIDGEWATER	16,640,360 4,782,684	8,802 3,272
4 4	286	ROCKLAND	11,231,358	7,399
4	287 288	E BRIDGEWATER HANOVER	6,193,894 10,033,141	5,032 5,462
4	289	BRIDGEWATER	13,564,775	8,618

301,860,117

214,732

District Code		Town Code	<u>Town</u>	December 2002 kWh Deliveries	Average No. of Customers
Central					
	5	145	SUTTON	5,258,115	3,66
	5	147 148	MILLBURY GRAFTON	10,892,281 9,598,709	5,51 6,66
	5	149	AUBURN	16,337,829	7,51
	5	182 183	BOLTON BERLIN	3,918,306 1,475,492	1,72 1,16
	5	191	WORCESTER	136,116,494	75,13
	5	192 311	LEICESTER WINCHENDON	4,761,355 4,762,305	3,90 4,21
	5	321	GARDNER	14,406,983	9,86
	5	322 323	WESTMINSTER HUBBARDSTON	6,966,953 1,725,859	3,10- 1,72
	5	333	RUTLAND	3,180,137	2,85
	5 5	334 335	OAKHAM NEW BRAINTREE	792,397 680,095	91- 41
	5	341	LEOMINSTER	44,123,857	18,66
	5	342 343	SHIRLEY AYER	5,176,627 9,069,249	2,63 3,62
	5	351	CLINTON	12,557,810	6,12
	5	352 353	LANCASTER HARVARD	3,806,890 3,049,700	2,42 2,20
	5	361	PEPPERELL	5,359,127	4,69
	5	362 364	DUNSTABLE GROTON	1,251,140 1,859,200	1,14
	5	371	SOUTHBRIDGE	12,405,032	8,27
	5 5	375 376	STURBRIDGE CHARLTON	12,607,506 9,176,795	4,20 5,12
	5	381	WEBSTER	12,689,333	8,87
	5	382	OXFORD DUDLEY	9,825,729 7,086,346	5,87
	5	383 431	SPENCER	8,447,830	4,63 5,66
	5 5	441 442	BROOKFIELD	1,608,907	1,60 1,04
	5	442	E BROOKFIELD N BROOKFIELD	1,023,773 4,382,992	2,16
	5	444	W BROOKFIELD	2,095,747	1,82
				388,476,900	219,18
Western					
	6	301 302	ATHOL ROYALSTON	6,942,905 513,334	5,55 68
	6	303	ORANGE	5,875,263	3,92
	6	304 305	WARWICK ERVING	269,900	42 38
	6	306	WENDELL	3,979,416 369,708	46
	6	307 308	SHUTESBURY	688,165	82
	6	324	NEW SALEM PHILLIPSTON	469,689 716,379	47 84
	6	331 332	BARRE PETERSHAM	2,755,420 594,069	2,22 53
	6	372	WALES	1,193,849	93
	6	373 374	BRIMFIELD	1,887,394	1,64
	6	401	HOLLAND E LONGMEADOW	1,367,823 17,849,008	1,42 6,27
	6	402	HAMPDEN	2,435,408	2,03
	6	411 412	PALMER MONSON	9,832,964 4,910,223	6,37 3,62
	6	413	WARREN	3,390,758	2,27
	6	414 421	WILBRAHAM WARE	7,337,477 7,163,944	5,71 4,87
	6	422	HARDWICK	1,570,687	1,36
	6	423 424	GRANBY BELCHERTOWN	2,953,454 7,010,361	2,51 5,88
	6	501	CHARLEMONT	755,233	79
	6	502 503	HAWLEY HEATH	146,118 339,034	21 60
	6	504	ROWE	503,761	24
	6	511 512	N ADAMS CHESHIRE	9,164,473 1,457,196	7,59 1,65
	6	513	CLARKSBURG	635,702	78
	6	514 515	FLORIDA HANCOCK	319,035 1,650,298	40 61
	6	516	WILLIAMSTOWN	7,716,349	3,51
	6	517 518	MONROE ADAMS	530,766 8,206,705	9 4,82
	6	541	NORTHAMPTON	22,214,376	14,09
	6	542 543	GOSHEN WILLIAMSBURG	460,685 1,335,422	61 1,34
	6	571	GT BARRINGTON	8,349,180	4,37
	6	572 573	ALFORD EGREMONT	399,854 1,483,483	34 99
	6	574	MONTEREY	699,014	94
	6	575 576	MT WASHINGTON NEW MARLBORO	184,792 1,266,190	17 1,09
	6	577	SHEFFIELD	4,928,236	1,98
	6	578 579	STOCKBRIDGE W STOCKBRIDGE	2,192,038 815,611	1,78 94
	6	581	LENOX	4,663,161	2,96
				172,494,310	114,32

Attachment 2

Calculation of Nantucket Electric Company's Proposed Service Quality Credit

Massachusetts Electric Company Nantucket Electric Company D.T.E. 03-20 Attachment 2 Page 1 of 1

Nantucket Electric Company Calculation of \$/kWh Credit Factor for 2002 Net Service Quality Penalty One Month Credit in December 2003

(1)	2002 Net Service Quality Penalty Attributable to Nantucket Electric	\$6,542	
(2)	Forecasted December 2003 kWh Deliveries	<u>11,174,172</u>	
(3)	Proposed per kWh Service Quality Credit	\$0.00058	

Note:

As Nantucket Electric did not incur a penalty related to SAIFI, it has not calculated a per-customer credit, but only a per kWh credit for SAIDI in the amount of the net penalty of \$6,542.

- (1) March 3, 2003 2002 Service Quality Report filing for Nantucket Electric in DTE 03-20, Section 2, Page 1 of 9 of \$6,542
- (2) Per Company forecast, reflects Nantucket Electric
- (3) Line (1) ÷ Line (2), truncated to 5 decimal places

Attachment 3

Typical Residential Customer Bill Impacts

Massachusetts Electric Company Nantucket Electric Company D.T.E. 03-20 Attachment 3 Page 1 of 2

Massachusetts Electric Company Impact on 500 kWh Typical Bill One Month Credit in December 2003

Section 1: Proposed Rates						
	Performance Me		Performance M		Performance	
	SAIDI and SA	AFI Goals	SAIFI G	ioals	Meet SAIDI and	SAIFI Goals
Typical Residential Monthly Usage		500		500		500
Per Customer Credit Per Attachment 1, Page 1, Section 1 Per kWh Credit Per Attachment 1, Page 1, Section 2		(\$0.65) (\$0.00041)		(\$0.65) (\$0.00138)		(\$2.72) (\$0.00138)
Customer Charge Distribution Energy Charge Transition Charge Transmission Charge Demand Side Management Charge Renewables Charge Service Quality Credit Subtotal Standard Offer Charge Total	\$5.81 \$0.02398 \$0.01002 \$0.00660 \$0.00250 \$0.00050	\$5.81 \$11.99 \$5.01 \$3.30 \$1.25 \$0.25 (\$0.86) \$26.75 \$30.62	\$5.81 \$0.02398 \$0.01002 \$0.00660 \$0.00250 \$0.00050	\$5.81 \$11.99 \$5.01 \$3.30 \$1.25 \$0.25 (\$1.34) \$26.27 \$30.62	\$5.81 \$0.02398 \$0.01002 \$0.00660 \$0.00250 \$0.00050	\$5.81 \$11.99 \$5.01 \$3.30 \$1.25 \$0.25 (\$3.41) \$24.20 \$30.62
Section 2: Present Rates						
Customer Charge Distribution Energy Charge Transition Charge Transmission Charge Demand Side Management Charge Renewables Charge Subtotal	\$5.81 \$0.02398 \$0.01002 \$0.00660 \$0.00250 \$0.00050	\$5.81 \$11.99 \$5.01 \$3.30 \$1.25 \$0.25 \$27.61	\$5.81 \$0.02398 \$0.01002 \$0.00660 \$0.00250 \$0.00050	\$5.81 \$11.99 \$5.01 \$3.30 \$1.25 \$0.25 \$27.61	\$5.81 \$0.02398 \$0.01002 \$0.00660 \$0.00250 \$0.00050	\$5.81 \$11.99 \$5.01 \$3.30 \$1.25 <u>\$0.25</u> \$27.61
Standard Offer Charge	\$0.06124	<u>\$30.62</u>	\$0.06124	<u>\$30.62</u>	\$0.06124	<u>\$30.62</u>
Total		\$58.23		\$58.23		\$58.23
Section 3: Impact						
\$ Increase (Decrease)		(\$0.86)		(\$1.34)		(\$3.41)
% Increase (Decrease)		-1.48%		-2.30%		-5.86%
Section 4: Districts	South Shore		North Shore		Merrimack Valley Southeast Central Western	

Massachusetts Electric Company Nantucket Electric Company D.T.E. 03-20 Attachment 3 Page 2 of 2

Nantucket Electric Company Impact on 500 kWh Typical Bill One Month Credit in December 2003

Section 1: Proposed Rates

Typical Residential Monthly Usage 500

Per kWh Credit Per Attachment 2, Line (3) (\$0.00058)

Customer Charge	\$5.81	\$5.81
Distribution Energy Charge	\$0.02398	\$11.99
Transition Charge	\$0.01002	\$5.01
Transmission Charge	\$0.00660	\$3.30
Demand Side Management Charge	\$0.00250	\$1.25
Renewables Charge	\$0.00050	\$0.25
Cable Facilities Surcharge-Winter	\$0.01544	\$7.72
Service Quality Credit	(\$0.00058)	<u>(\$0.29)</u>
Subtotal		\$35.04
Standard Offer Charge	\$0.06124	\$30.62
Total		\$65.66

Section 2: Present Rates

Customer Charge	\$5.81	\$5.81
Distribution Energy Charge	\$0.02398	\$11.99
Transition Charge	\$0.01002	\$5.01
Transmission Charge	\$0.00660	\$3.30
Demand Side Management Charge	\$0.00250	\$1.25
Renewables Charge	\$0.00050	\$0.25
Cable Facilities Surcharge-Summer	\$0.01544	\$7.72
Subtotal		\$35.33
Standard Offer Charge	\$0.06124	\$30.62
Total		\$65.95

Section 3: Impact

\$ Increase (Decrease)	(\$0.2	29))
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% Increase (Decrease) -0.44%